

CLAIMS

I claim:

1 1. In a carburetor assembly of a combustion engine of a vehicle having fuel bowls
2 positioned on opposed sides of the carburetor, each of said fuel bowls having a fuel inlet
3 port, a fuel receiving fixture mounted to each fuel inlet port, a fuel transfer assembly
4 extending between the fuel receiving fixtures, a fuel supply line in fluid communication
5 with one of the fixtures, and a float valve in each fuel bowl for controlling the admission of
6 fuel through said fuel inlet ports into each of the said fuel bowls, the improvement therein
7 of:

8 said external fuel receiving fixtures each including a nipple, said nipples facing
9 and in alignment with each other,

10 a fuel transfer tube extending between said nipples, the fuel transfer tube having
11 opposed ends and connected at its opposed ends to said nipples, and

12 O-ring grooves interposed between said nipples and the ends of said fuel transfer
13 tubes, and O-rings seated in said O-ring grooves for sealing said fuel transfer tube at its
14 ends to said nipples.

1 2. The carburetor of claim 1, wherein
2 said o-ring grooves comprise at least two O-ring grooves formed on each nipple,
3 and said O-rings comprise an O-ring seated in each O-ring groove.

1 3. The carburetor of claim 2, wherein
2 said fuel transfer tube defines a counterbore at each end, and the nipples are
3 received in the counterbores.

1 4. The carburetor of claim 3, wherein said nipples are spaced apart a distance less
2 than the length of said fuel transfer tube, such that the ends of the fuel transfer tube are
3 supported in place by the nipples without requiring additional fasteners.

1 5. In a carburetor assembly of a combustion engine of a vehicle having fuel bowls
2 positioned on opposed sides of the carburetor, a fuel transfer assembly extending between
3 the fuel bowls, and a fuel supply line in fluid communication with the fuel transfer
4 assembly, the improvement therein of:

5 said fuel transfer assembly comprising a fuel transfer tube having an internal
6 passage and oppositely facing ends, the opposite ends of the transfer tube each defining a
7 counterbore of greater breadth than the internal passage,

8 said fuel bowls each including mounting means extending into a counterbore of said
9 fuel transfer tube in fluid communication therewith and supporting the fuel transfer tube
10 without additional support being required, and

11 O-rings positioned between the counterbores of the fuel transfer tube and the
12 mounting means for sealing the ends of the fuel transfer tube to the mounting means.

1 6. In the carburetor of claim 5, each mounting means comprising a fuel receiving
2 fixture in fluid communication with each fuel bowl and including nipples facing and in
3 alignment with the opposite fuel receiving fixtures and spaced apart a distance less than the
4 length of the fuel transfer tube and trapping the ends of the fuel transfer tube.

1 7. In the carburetor of claim 5, wherein
2 O-ring grooves are formed on said nipples.

1 8. In the carburetor of claim 5, wherein
2 said fuel transfer tube has a larger inside diameter than the inside diameter of the
3 nipples.